

# Converting Colors

$Y_{xy}(71.9700, 0.3430, 0.3737)$

Have a look what the booklet for  
Yxy(71.9700, 0.3430, 0.3737)  
contains.

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# Color

**Yxy(71.7887, 0.3427, 0.3732)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2DEB6
RGB	226, 222, 182
RGB Percent	89%, 87%, 71%
CMY	0.1139, 0.1294, 0.2862
CMYK	0.00, 0.02, 0.19, 0.11
HSL	55°, 43%, 80%
HSV	55°, 19%, 89%
XYZ	65.9217, 71.7887, 54.6494
YIQ	218.6360, 15.2240, -11.5920

# Conversions

## Conversions Part 2

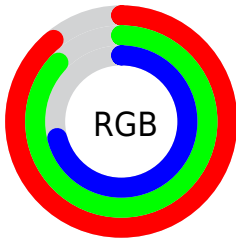
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	186, 226, 182
Decimal	14868150
CIE Lab	87.87, -5.11, 20.14
CIE LCh	88, 20.778, 104.246
Yxy	71.7887, 0.3427, 0.3732
Android (android.graphics.Color)	4293058230 (0xFFE2DEB6)
YUV	218.6360, -18.0615, 6.4582
Hunter-Lab	84.7282, -9.3947, 21.0679

# Details

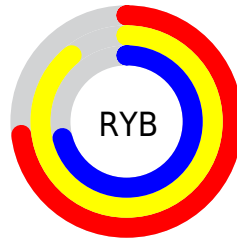
The Yxy color **71.7887, 0.3427, 0.3732** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **50.5419, 0.2808, 0.2806**, and the grayscale version is **70.6921, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.9530, 0.3226, 0.3454**, and **37.7685, 0.3493, 0.3839** is the 20% darker color. If you saturate the color by 10%, you get **69.8597, 0.3588, 0.3964**, and if you desaturate by 10%, it is **73.8879, 0.3269, 0.3501**.

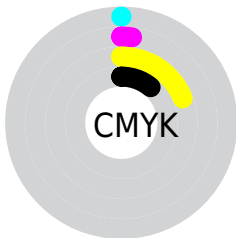
# Distribution



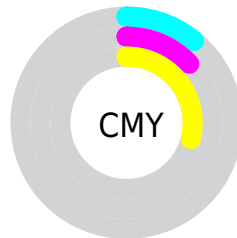
- Red (89%)
- Green (87%)
- Blue (71%)



- Red (73%)
- Yellow (89%)
- Blue (71%)



- Cyan (0%)
- Magenta (2%)
- Yellow (19%)
- Black (11%)



- Cyan (11%)
- Magenta (13%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.7887, 0.3427, 0.3732 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 71.7887, 0.3427, 0.3732 by changing the saturation by 10% instead.



71.7887, 0.3427,  
0.3732

71.7887, 0.3427,  
0.3732

466.8058, 0.3289,  
0.3525

52.9861, 0.3458,  
0.3780

121.7561, 0.3380,  
0.3660

37.7917, 0.3496,  
0.3839

153.6896, 0.3361,  
0.3632

25.8210, 0.3544,  
0.3914

190.7689, 0.3345,  
0.3608

16.6898, 0.3605,  
0.4012

233.3784, 0.3331,  
0.3587

10.0136, 0.3686,  
0.4146

281.9024, 0.3319,  
0.3569

5.4080, 0.3797,  
0.4337

336.7254, 0.3308,

2.4886, 0.3965,

0.3552

0.4643

398.2317, 0.3298,  
0.3538

0.8709, 0.4466,  
0.5534

0.0000, 0.0000,  
0.0000

71.7887, 0.3427,  
0.3732

71.7887, 0.3427,  
0.3732

69.8597, 0.3588,  
0.3964

73.8879, 0.3269,  
0.3501

68.0839, 0.3748,  
0.4189

76.1543, 0.3119,  
0.3278

66.4568, 0.3901,  
0.4398

78.5977, 0.2978,  
0.3066

64.9697, 0.4039,  
0.4581

80.0515, 0.2947,  
0.3035

63.6130, 0.4158,  
0.4729

81.1888, 0.2948,  
0.3056

62.3760, 0.4252,  
0.4835

82.3393, 0.2948,  
0.3077

61.2455, 0.4318,  
0.4896

83.5030, 0.2948,  
0.3098

60.2006, 0.4360,  
0.4918

84.6801, 0.2949,  
0.3119

60.1438, 0.4362,  
0.4918

85.8704, 0.2949,  
0.3140

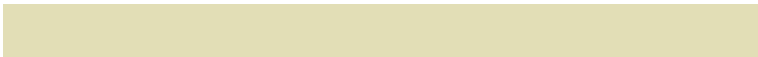
# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.7887, 0.3588, 0.3636



71.7887, 0.3427, 0.3732



71.7887, 0.3189, 0.3703

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.7887, 0.3427, 0.3732



71.7887, 0.2655, 0.3092



71.7887, 0.3305, 0.3050

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



71.7887, 0.3427, 0.3732



50.5419, 0.2808, 0.2806

# Split Complementary

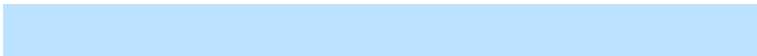
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.7887, 0.3050, 0.2916



71.7887, 0.3427, 0.3732



71.7887, 0.2683, 0.2932

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.7887, 0.3427, 0.3732



71.7887, 0.2748, 0.3319



71.7887, 0.2824, 0.2872



71.7887, 0.3518, 0.3244



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.7887, 0.3427, 0.3732



71.7887, 0.3020, 0.3612



71.7887, 0.2824, 0.2872



71.7887, 0.3221, 0.2997

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



71.7919, 0.3427, 0.3732



98.1797, 0.3217, 0.3424



53.1909, 0.3472, 0.3241



20.9731, 0.3227, 0.3439



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.7919, 0.3427, 0.3732



93.4659, 0.3487, 0.3818



71.2168, 0.3289, 0.3794



15.8079, 0.3269, 0.3501



34.4159, 0.4359, 0.4921



2.4480, 0.4331, 0.4943



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



50.5419, 0.2808, 0.2806



61.0651, 0.2739, 0.2700



51.1783, 0.2939, 0.2777



13.4402, 0.2981, 0.3070



3.4975, 0.1517, 0.0662

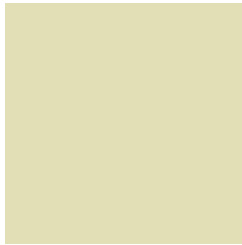


0.3116, 0.1563, 0.0825



# Previews

## White Background



This preview shows how the Yxy color 71.7887, 0.3427, 0.3732 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

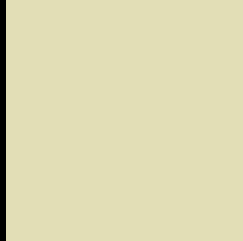
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.7887, 0.3427, 0.3732 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

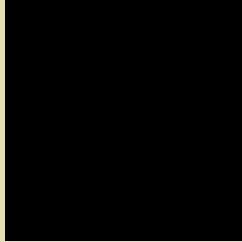
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

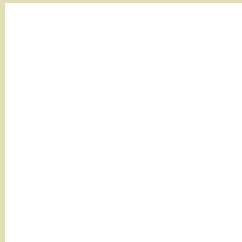
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.7887, 0.3427, 0.3732**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.7887, 0.3427, 0.3732.



This preview shows how white text looks on a background with the Yxy color 71.7887, 0.3427, 0.3732.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

71.7887, 0.3427, 0.3732

### Protanopia

71.8462, 0.3492, 0.3715

### Deuteranopia

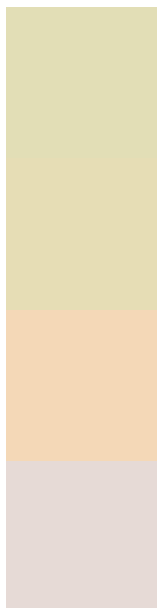
71.6185, 0.3653, 0.3581



## Tritanopia

71.7507, 0.3143, 0.3112

# Trichromacy



## Original Color

71.7887, 0.3427, 0.3732

## Protanomaly

71.8721, 0.3467, 0.3728

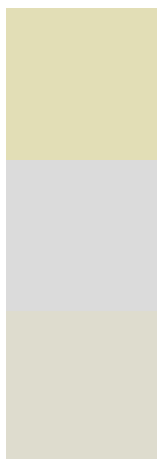
## Deuteranomaly

71.7637, 0.3572, 0.3641

## Tritanomaly

71.8208, 0.3241, 0.3333

# Monochromacy



## Original Color

71.7887, 0.3427, 0.3732

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

71.1722, 0.3236, 0.3444

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.7887, 0.3427, 0.3732 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(226, 222, 182)` looks like.

```
.text, #text, p{  
    color:rgb(226, 222, 182)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(226, 222, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 222, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 71.7887, 0.3427, 0.3732 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(226, 222, 182) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(226, 222, 182) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(226, 222, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 222, 182); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 222, 182); box-shadow:4px 4px 4px 4px rgb(226, 222, 182) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.7887, 0.3427, 0.3732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 222, 182) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(226,  
222, 182) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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